



**Office of Energy Independence,
Iowa Power Fund
and
Iowa Energy Independence Plan**

Roya Stanley - Director

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Office of Energy Independence



The Office of Energy Independence (OEI) was established in 2007 to coordinate the state of Iowa's activities concerning energy independence.

VISION: Leading Iowans to a vibrant future through economically viable and environmentally sound energy choices.

MISSION: To achieve a sustainable energy future by:

- Providing leadership through education, planning and investment
- Developing policies and resources to produce market transformation

OEI Structure & Tasks



Structure:

- Operations staff (located in Lucas Bldg; 725-6025)
- Iowa Power Fund Board
- Due Diligence Committee
- Energy Coordinating Council

Initial Tasks:

- Iowa Power Fund
- Energy Independence Plan
- Energy Forums & Education
- Energy Issues

Task: Iowa Power Fund



- \$100 million over 4 years
- Provides financial assistance to entities to increase Iowa's research, development, & use of sources of renewable energy; improve efficiency and reduce greenhouse gas emissions.
- Includes \$2.5 million – DED community college workforce training & economic development

Eligible applicants



May Include:

- NAICS company proposing a project in Iowa
- Individual proposing a project in Iowa
- Government entity proposing a project in Iowa
- Non-profit proposing a project in Iowa
- Academic institution proposing a project in Iowa

Eligibility criteria for financial assistance



- Commercialization/product development
- Utilization of Iowa crops/products that maximize value of crops used as feed stock in bio-manufacturing products and as co-products
- Reduction of GHG, carbon sequestration
- Private or federal matching funds

Task: Iowa Energy Independence Plan

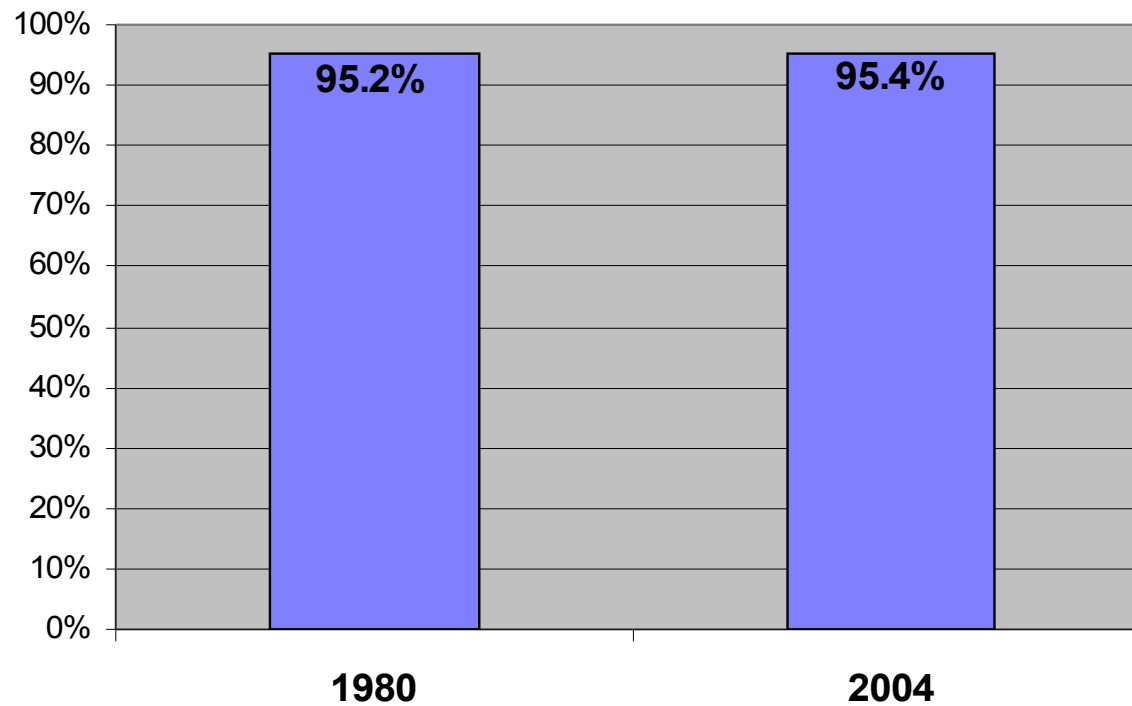


- Due: December 14, 2007
- Goal: A plan to achieve energy independence by 2025
- “Roadmap” this year; more comprehensive plan in 2008
- Input from stakeholders, public

State of the State



Iowa Energy Imports



Total Consumption by Fuel Type in 2004

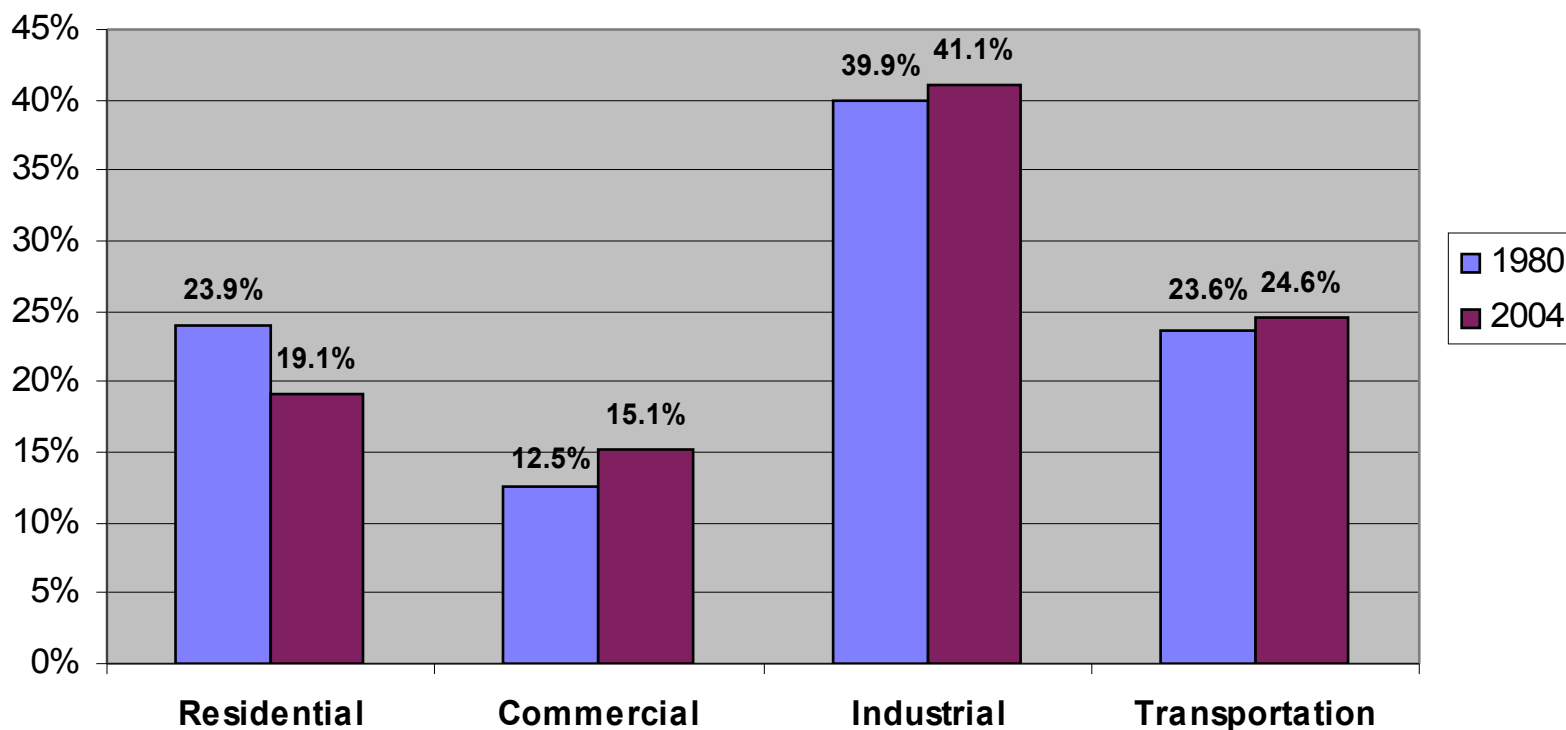


Fuel	Iowa	U.S.
Coal	36.8%	22.5%
Petroleum	36.1%	40.2%
Natural Gas	18.8%	22.9%
Nuclear	4.2%	8.2%
Renewable Energy	4.5%	6.2%

Consumption by Sector



Iowa Energy Consumption by Sector 1980, 2004



Electric Sector Consumption

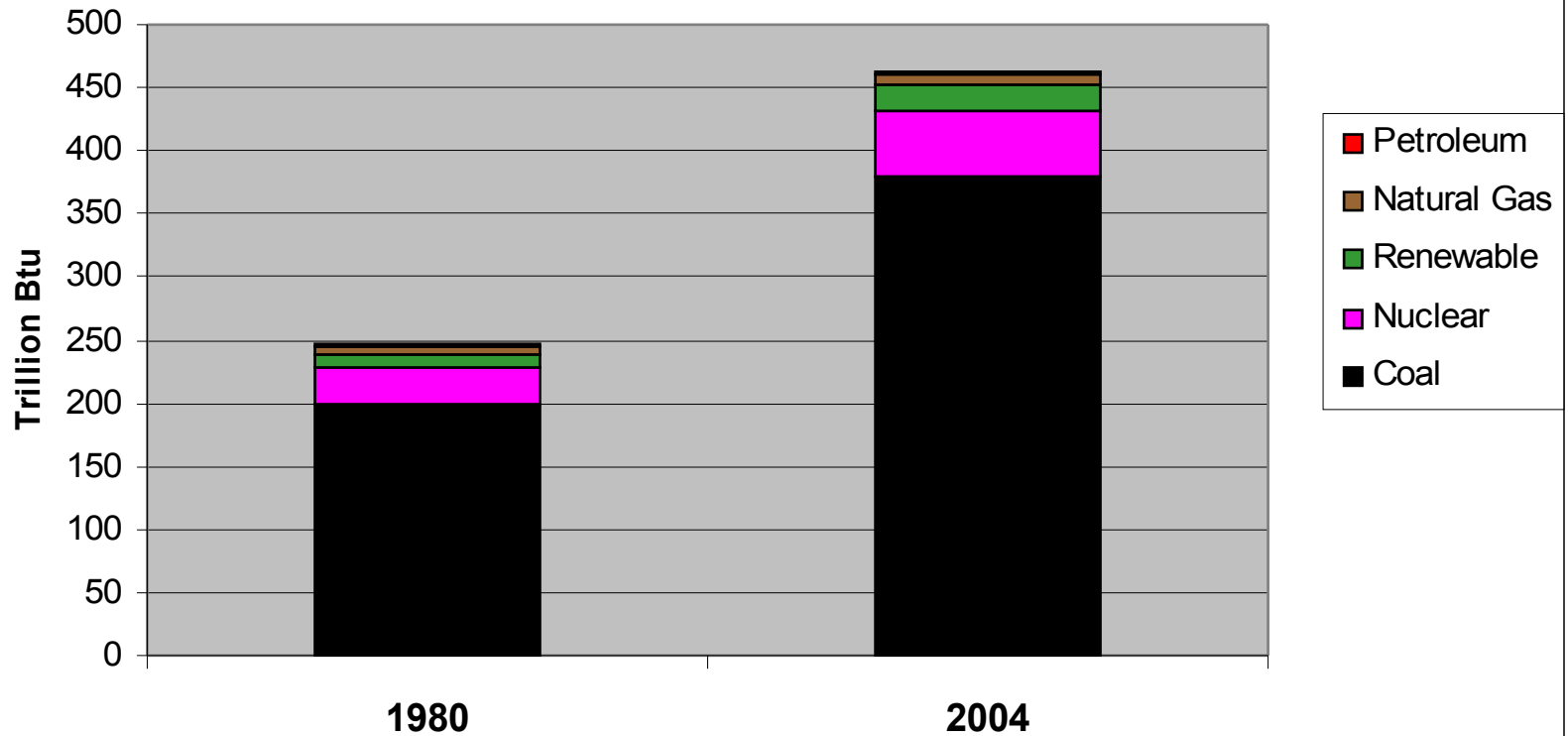


Year	Total Energy Consumption (Trillion Btu)	Electric Sector Consumption (Trillion Btu)	Electric Sector - % of Total
1980	1,007	247	24.5%
2004	1,206	462	38.3%

Electric Generation by Fuel



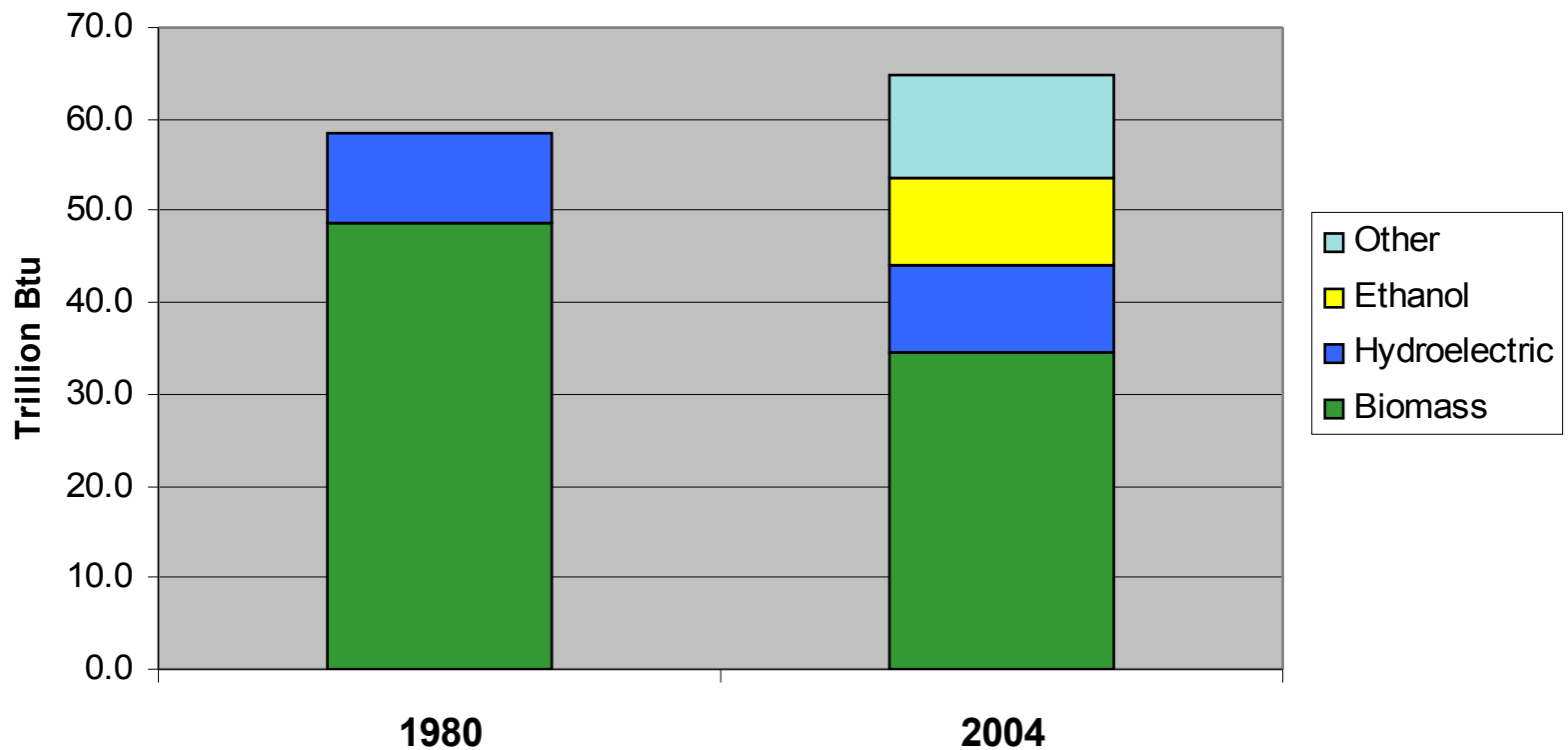
Electric Utility Input by Fuel Type



Renewable Energy



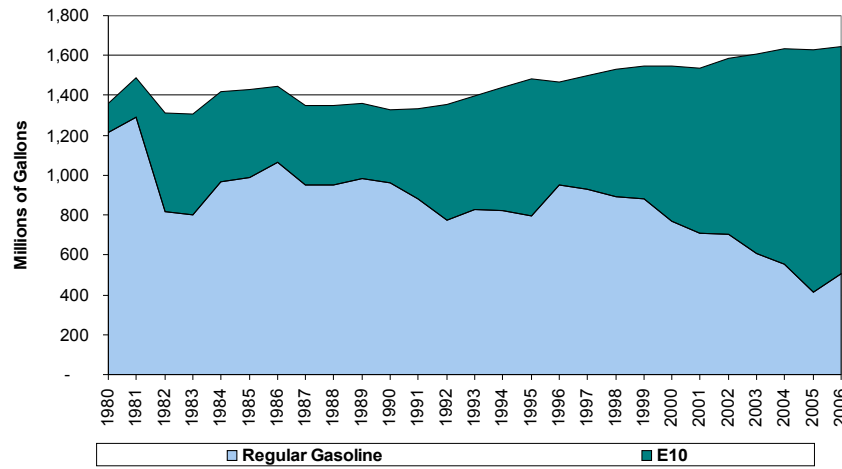
Composition of Renewable Energy



Ethanol

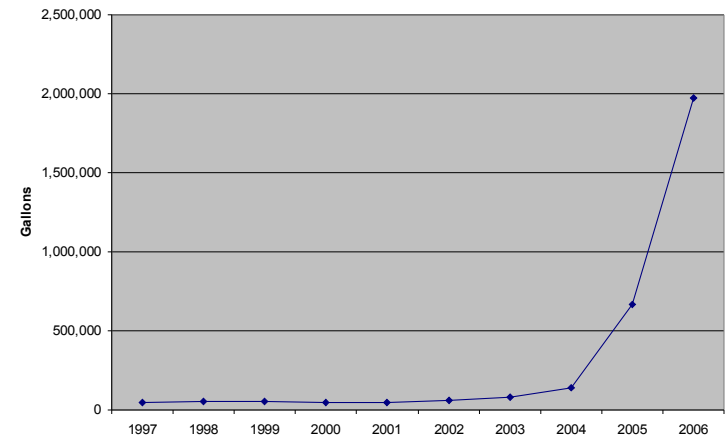


E10 & Regular Gasoline Sales



Source: Iowa Department of Revenue

E85 Retail Sales

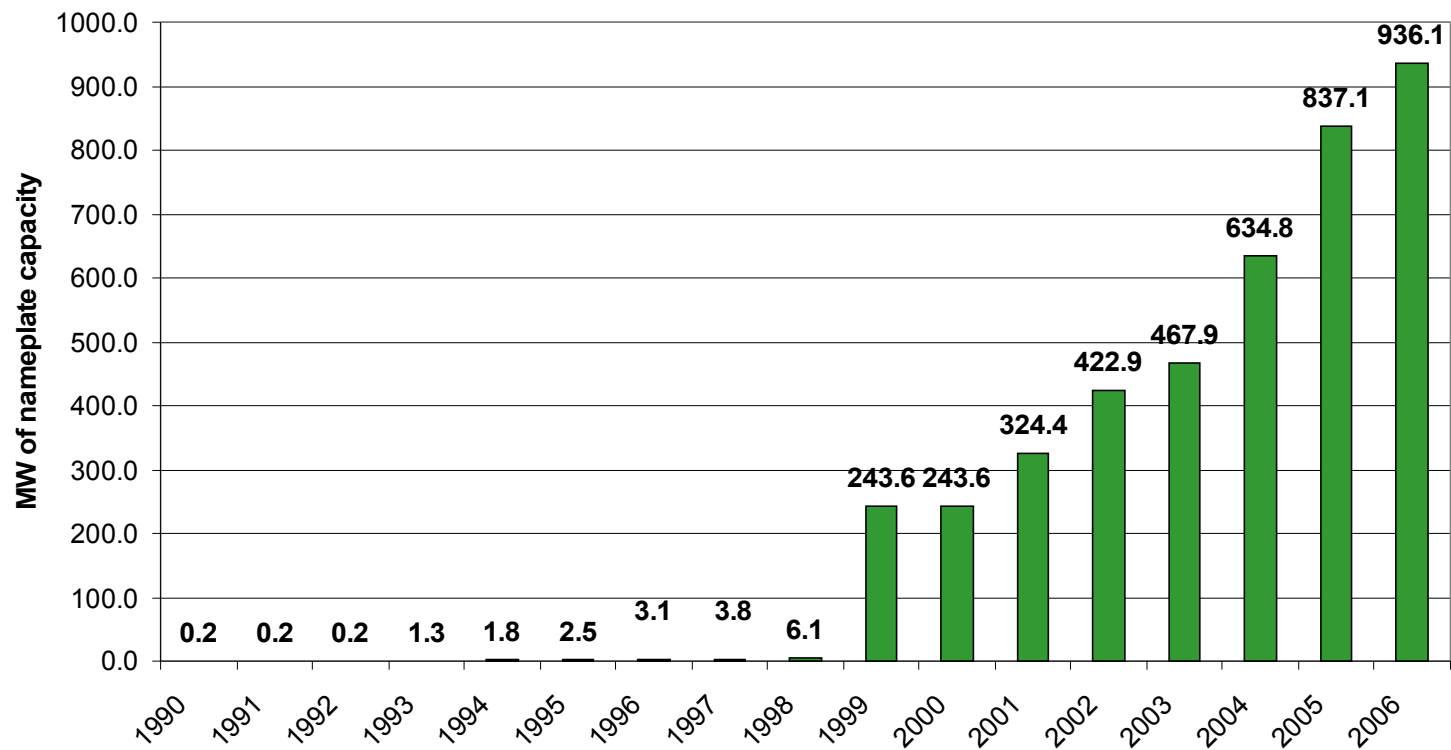


Source: Iowa Department of Natural Resources, Iowa Department of Revenue

Wind Energy



Installed Wind Capacity in Iowa

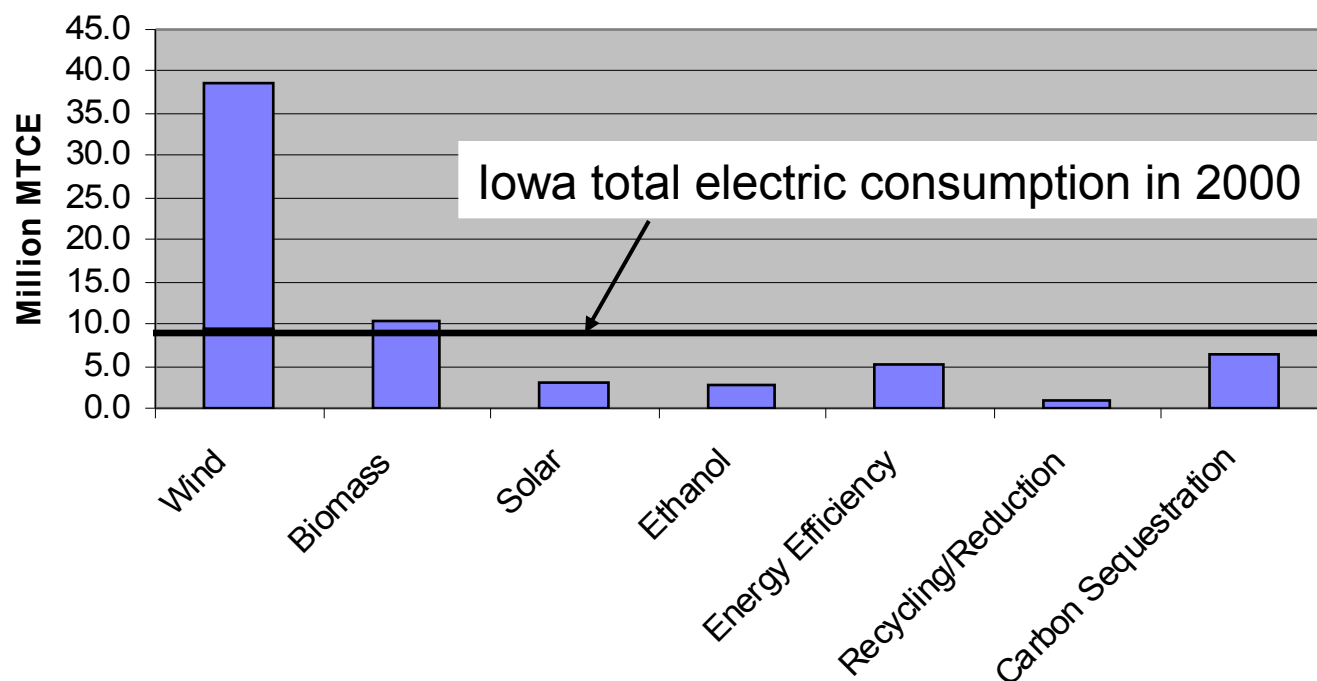


Source: Iowa Department of Natural Resources.

Future Opportunities



Potential to Offset Greenhouse Gas Emissions in Iowa



Source: Year 2000 Iowa Greenhouse Gas Emissions Inventory, UNI



Contacts:

Iowa Office of Energy Independence: 515-725-2065

**Submit written comments on the Iowa Energy
Independence Plan by Nov. 9, 2007 to:**

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Des Moines, IA 50319

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